

Application No. 09/689,621

Listing of Claims:

1. (currently amended) A method of inducing the regression of dermal tumors and warts caused by the human papilloma virus in humans which comprises the step of administering a bacterial product comprising heat-killed, terminally sterilized bacteria selected from the group consisting of *Propionibacterium acnes*, *Propionibacterium avidum*, *Propionibacterium lymphophilum*, *Propionibacterium granulosum*, *Cornynebacterium parvum* and *Arachnia propionica*.
2. (currently amended) The method of claim 1 wherein the bacterial product that is administered administered comprises heat-killed *Propionibacterium acnes*.
3. (canceled).
4. (original) The method of claim 1, wherein the bacterial product further comprises anesthetic.
5. (original) The method of claim 4, wherein the anesthetic is selected from the group consisting of aminoamides and aminoesters.
6. (original) The method of claim 4, wherein the anesthetic is lidocaine.
7. (original) The method of claim 1, wherein the bacterial product further comprises carriers and fillers.
8. (previously amended) The method of claim 7, wherein the carriers comprise sugars selected from the group consisting of lactose, saccharose, mannitol, sorbitol, and cellulose preparations.
9. (previously amended) The method of claim 7, wherein the carriers comprise amino acids.
10. (original) The method of claim 7, wherein the fillers are selected from the group consisting of starch pastes that use corn, wheat, rice or potato starch, gelatin, methylcellulose, hydroxypropylmethylcellulose, and sodium carboxymethylcellulose.

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11. * (original) The method of claim 1, wherein the bacteria are heat-killed by the process of heating the *P. acnes* in a water bath at 74 ° C to 90 ° C for 60 to 90 minutes.

12. (original) The method of claim 1, wherein the bacterial product is suspended in a saline solution.

13. (original) The method of claim 12, wherein the saline solution comprises sodium chloride in dI water.

14. (original) The method of claim 12, wherein the saline solution comprises sodium chloride in a buffer.

15. (original) The method of claim 14, wherein the buffer is selected from the group consisting of alkaline phosphates and alkaline citrates.

16. (original) The method of claim 1, wherein the bacterial product is administered intralesionally.

17. (original) The method of claim 1, wherein the bacterial product is administered subcutaneously.

18. (currently amended) The method of claim 1, wherein the bacterial product is administered ~~preferably~~ at .001 to 5 mg per dosage.

19. (currently amended) The method of claim 1, wherein the bacterial product is administered ~~more preferably~~ at .005 to 2.5 mg per dosage.

20. (currently amended) The method of claim 1, wherein the bacterial product is administered ~~most preferably~~ at .01 to 1 mg per dosage.

21. (currently amended) A method of treating viral infections of the upper and lower respiratory tract with clinical manifestation of sore throat, ear ache or cough in humans which comprises the step of administering a bacterial product comprising heat-killed, terminally sterilized bacteria selected from the group consisting of *Propionibacterium acnes*.

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Propionibacterium avidum, *Propionibacterium lymphophilum*, *Propionibacterium granulosum*, *Cornynebacterium parvum* and *Arachnia propionica*.

22. (original) The method of claim 21 wherein the bacterial product comprises heat-killed *Propionibacterium acnes*.

23. (original) The method of claim 21, wherein the bacterial product further comprises carriers and fillers.

24. (previously amended) The method of claim 23, wherein the carriers comprise sugars selected from the group consisting of sugars lactose, saccharose, mannitol, sorbitol, and cellulose preparations.

25. (previously amended) The method of claim 23, wherein the carriers comprise amino acids.

26. (original) The method of claim 23, wherein the fillers are selected from the group consisting of starch pastes that use corn, wheat, rice or potato starch, gelatin, methylcellulose, hydroxypropylmethyl-cellulose, and sodium carboxymethylcellulose.

27. (original) The method of claim 21, wherein the bacteria are heat-killed by the process of heating the *P. acnes* in a water bath at 74 °C to 90 °C for 60 to 90 minutes.

28. (original) The method of claim 21, wherein the bacterial product is suspended in a saline solution.

29. (original) The method of claim 28, wherein the saline solution comprises salts selected from the group consisting of alkaline phosphates and alkaline citrates.

30. (original) The method of claim 21, wherein the bacterial product is administered orally.

31. (original) The method of claim 21, where the bacterial product is administered with a natural flavoring or artificial flavoring.

32. (currently amended) The method of claim 21, wherein the bacterial product is administered preferably at .1 to 10 mg per dosage.

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33. (currently amended) The method of claim 21, wherein the bacterial product is administered ~~more preferably~~ at 0.5 to 5 mg per dosage.

34. (currently amended) A method of inducing the regression of dermal tumors and warts caused by the human papilloma virus in humans, ~~which comprises said method comprising~~ the step of:

intradermally administration of administering a bacterial product comprising heat-killed, terminally sterilized bacteria selected from the group consisting of *Propionibacterium acnes*, *Propionibacterium avidum*, *Propionibacterium lymphophilum*, *Propionibacterium granulosum*, *Cornynebacterium parvum* and *Arachnia propionica*.

35. (currently amended) A method of inducing the regression of dermal tumors and warts caused by the human papilloma virus in humans, ~~which comprises said method comprising~~ the step of:

subcutaneously administration of administering a bacterial product comprising heat-killed, terminally sterilized bacteria selected from the group consisting of *Propionibacterium acnes*, *Propionibacterium avidum*, *Propionibacterium lymphophilum*, *Propionibacterium granulosum*, *Cornynebacterium parvum* and *Arachnia propionica*.

36. (currently amended) A method of treating viral infections of the upper and lower respiratory tract with clinical manifestation of sore throat, ear ache or cough in humans, ~~which comprises said method comprising~~ the step of

orally administration of administering a bacterial product comprising heat-killed, terminally sterilized bacteria selected from the group consisting of *Propionibacterium acnes*, *Propionibacterium avidum*, *Propionibacterium lymphophilum*, *Propionibacterium granulosum*, *Cornynebacterium parvum* and *Arachnia propionica*